

MOSES LAKE MAINTENANCE FACILITY RIFS
 CENTRAL PORTION SOURCE AREA GROUNDWATER
 VOLATILE ORGANIC COMPOUND RESULTS (DETECTS ONLY)

Location					MW-16			
Sample Identifier					0MW16-032803		1MW16-032803	
Sample Type					N	Q	Dup	Q
Analyte	Method	MTCA Cleanup Criteria For Groundwater (µg/L) ^a	MTCA Method B Cleanup Criteria for Surface Water (µg/L)	National Water Quality Criteria/WAC 201A Aquatic Water Quality Criteria (µg/L) ^c	Concentration µg/L			
Volatile Organic Hydrocarbons (EPA Method 8260B) Detected Compounds Only								
Methyl t-Butyl Ether (MTBE)	EPA 8260B	20	NSA	NSA	0.59		0.51	
Chloroform	EPA 8260B	7.17 ^b	283	NSA	0.62		0.58	
1,2,4 - Trimethylbenzene	EPA 8260B	7.17 ^b	283	NSA	0.20	U	0.22	
Note: N - Normal sample. Q - Validated data qualifier Dup - Duplicate sample. NSA - No standard available. a - Chapter 173-340 WAC Method A Groundwater Cleanup Levels for potable water use unless other wise noted b - Chapter 173-340 WAC Method B Groundwater Cleanup Levels for potable water use. c - The most conservative of the National Water Quality Criteria (EPA, 2002) or Chapter 201A WAC Aquatic Water Quality Criteria is provided both chronic or acute values were considered.								

CITY OF MOSES LAKE MAINTENANCE FACILITY RIFS
WEST PORTION SOIL
PETROLEUM HYDROCARBON RESULTS

Location				GP-17		GP-18		GP-19		GP-20		GP-21		GP-22		GP-23	
Sample Identifier				0GP17-3.5 to 4.0		0GP18-2.5 to 2.8		0GP19-2.8 to 3.0		0GP20-2.7 to 3.0		0GP21-3.8 to 4.0		0GP22-2.8 to 3.0		0GP23-2.7 to 3.0	
Sample Type				N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q
Analyte	Method	MTCA Method Cleanup Levels for Unrestricted Soil Use ^a (mg/Kg)	Ecological Concerns Criteria WAC 173-340 Table 749-2 (mg/kg)	Concentration (mg/kg)													
Petroleum Hydrocarbons																	
Diesel Range	NWTPH-Dx	2,000	460	28	U	32	U	27	U	32	U	28	U	31	U	33	U
Lube Oil Range	NWTPH-Dx	2,000	NSA	920		89		74		190		56	U	62	U	65	U
Gasoline Range	NWTPH-Gx	30 ^a	200	6.4		6.3	U	5.4	U	6.3	U	5.6	U	6.2	U	6.5	U
Methyl t-Butyl Ether (MTBE)	NWTPH-Gx	0.01	NSA	0.055	U	0.063	U	0.054	U	0.063	U	0.056	U	0.062	U	0.065	U
Benzene	NWTPH-Gx	0.03	NSA	0.011	U	0.013	U	0.011	U	0.013	U	0.011	U	0.012	U	0.013	U
Toluene	NWTPH-Gx	7	NSA	0.055	U	0.063	U	0.054	U	0.063	U	0.056	U	0.062	U	0.065	U
Ethyl Benzene	NWTPH-Gx	6	NSA	0.055	U	0.063	U	0.054	U	0.063	U	0.056	U	0.062	U	0.065	U
m,p-Xylene	NWTPH-Gx	9 ^b	NSA	0.055	U	0.063	U	0.054	U	0.063	U	0.056	U	0.062	U	0.065	U
o-Xylene	NWTPH-Gx	9 ^b	NSA	0.055	U	0.063	U	0.054	U	0.063	U	0.056	U	0.062	U	0.065	U

Note:
 N - Normal sample
 Q - Validated data qualifier.
 U - indicates that the analyte was not detected above its practical quantitation limit (PQL)
 NSA - No standard available
 NA - Not Applicable
 a - Chapter 173-340 WAC Method A Cleanup Levels for unrestricted use.
 * - The MTCA Method A Compliance Cleanup Level for gasoline range petroleum hydrocarbons is 100mg/kg if benzene is not present and the total of TEX is less than 1%.
 c - The MTCA Method A Cleanup Level is for total xylene, i.e. the sum of m,p-Xylene and o-Xylene.

MOSES LAKE MAINTENANCE FACILITY RIFS
WEST POINT SOIL
RCRA METALS RESULTS

Location				GP-17		GP-18		GP-19		GP-20		GP-21		GP-22		GP-23	
Sample Identifier				0GP17-3.5 to 4.0		0GP18-2.5 to 2.8		0GP19-2.8 to 3.0		0GP20-2.7 to 3.0		0GP21-3.8 to 4.0		0GP22-2.8 to 3.0		0GP23-2.7 to 3.0	
Sample Type				N	Q	N	Q	N	Q	N	Q	N	Q	N	Q	N	Q
Analyte	Method	MTCA Cleanup Levels for Unrestricted Soil Use ^a	Ecological Concerns Criteria WAC 173-340 Table 749-2 (mg/kg)	Concentration (mg/kg)													
RCRA Metals																	
Arsenic	EPA 6010B	20	20	11	U	13	U	11	U	13	U	11	U	12	U	13	U
Barium	EPA 6010B	5600 ^b	1,250	73		110		78		93		43		80		100	
Cadmium	EPA 6010B	2 ^b	25	0.55	U	0.63	U	0.54	U	0.63	U	0.56	U	0.62	U	0.65	U
Chromium	EPA 6010B	2000 ^{b*}	42 ^c	3.8		5.5		4.6		7.5		4.4		5.5		7	
Lead	EPA 6010B	250	220	18		9.1		22		13		5.6	U	9.4		8.5	
Mercury	EPA 7471A	2 ^b	9	0.27	U	0.32	U	0.27	U	0.32	U	0.28	U	0.31	U	0.32	U
Selenium	EPA 6010B	400 ^b	0.8	11	U	13	U	11	U	13	U	11	U	12	U	13	U
Silver	EPA 6010B	400 ^b	d	0.55	U	0.63	U	0.54	U	0.63	U	0.56	U	0.62	U	0.65	U
Note: N - Normal sample. Q - Validated data qualifier. U - indicates that the analyte was not detected above its practical quantitation limit (PQL). a - Chapter 173-340 WAC Method A Cleanup Levels for unrestricted use unless otherwise noted. b - Chapter 173-340 WAC Method B Cleanup Levels for unrestricted use. c - Value is for total chromium. d - Safe concentration has not yet been established by Ecology.																	

TABLE 5-3.3

CITY OF MOSES LAKE MAINTENANCE FACILITY RIFS
WEST PORTION GROUNDWATER
PETROLEUM HYDROCARBON, PCBs, DETECTED VOCs AND PAH RESULTS

Location					GP-19		GP-22		GP-23	
Sample Identifier					0GFP19-032703		0GFP22-032703		0GFP23-032703	
Sample Type					N	Q	N	Q	N	Q
Analyte	Method	MTCA Cleanup Criteria For Groundwater (µg/L) ^a	MTCA Method B Cleanup Criteria for Surface Water (µg/L)	National Water Quality Criteria/WAC 201A Aquatic Water Quality Criteria (µg/L) ^f	Concentration (µg/L)					
Petroleum Hydrocarbons										
Diesel Range	NWTPH-Dx	500	NSA	NSA	250	U	250	U	260	U
Lube Oil Range	NWTPH-Dx	500	NSA	NSA	410	U	400	U	410	U
Gasoline Range	NWTPH-Gx	1000*	NSA	NSA	100	U	100	U	100	U
Polychlorinated Biphenyls (PCBs)										
Aroclor 1016	EPA 8082	0.1 ^c	NSA	0.014 ^g	0.048	U	0.048	U	0.048	U
Aroclor 1221	EPA 8082	0.1 ^c	NSA	0.014 ^g	0.048	U	0.048	U	0.048	U
Aroclor 1232	EPA 8082	0.1 ^c	NSA	0.014 ^g	0.048	U	0.048	U	0.048	U
Aroclor 1242	EPA 8082	0.1 ^c	NSA	0.014 ^g	0.048	U	0.048	U	0.048	U
Aroclor 1248	EPA 8082	0.1 ^c	NSA	0.014 ^g	0.048	U	0.048	U	0.048	U
Aroclor 1254	EPA 8082	0.1 ^c	NSA	0.014 ^g	0.048	U	0.048	U	0.048	U
Aroclor 1260	EPA 8082	0.1 ^c	NSA	0.014 ^g	0.048	U	0.048	U	0.048	U
Volatile Organic Hydrocarbons (Detected Compounds Only)										
Methyl t-Butyl Ether	EPA 8260B	20	NSA	NSA	0.47		0.56		0.42	
Chloroform	EPA 8260B	7.17 ^b	283	NSA	0.46		0.74		0.66	
Polynuclear Aromatic Hydrocarbons										
Naphthalene	EPA 8270C SIM	160	4,940	NSA	0.096	U	0.095	U	0.097	U
2-Methylnaphthalene	EPA 8270C SIM	NSA	NSA	NSA	0.096	U	0.095	U	0.097	U
1-Methylnaphthalene	EPA 8270C SIM	NSA	NSA	NSA	0.096	U	0.095	U	0.097	U
Acenaphthylene	EPA 8270C SIM	960	643	NSA	0.096	U	0.095	U	0.097	U
Acenaphthene	EPA 8270C SIM	NSA	NSA	NSA	0.096	U	0.095	U	0.097	U
Fluorene	EPA 8270C SIM	640	3,460	NSA	0.096	U	0.095	U	0.097	U
Phenanthrene	EPA 8270C SIM	NSA	NSA	NSA	0.096	U	0.095	U	0.097	U
Anthracene	EPA 8270C SIM	2,400	259,000	NSA	0.096	U	0.095	U	0.097	U
Fluoranthene	EPA 8270C SIM	640	90.2	NSA	0.096	U	0.095	U	0.097	U
Pyrene	EPA 8270C SIM	480	2,590	NSA	0.096	U	0.095	U	0.097	U
Benzo[a]anthracene ^d	EPA 8270C SIM	0.1 / TEF ^e	0.0296	NSA	0.0096	U	0.0095	U	0.0097	U
Chrysene ^d	EPA 8270C SIM	0.1 / TEF ^e	0.0296	NSA	0.0096	U	0.0095	U	0.0097	U
Benzo[b]fluoranthene ^d	EPA 8270C SIM	0.1 / TEF ^e	0.0296	NSA	0.0096	U	0.0095	U	0.0097	U
Benzo[k]fluoranthene ^d	EPA 8270C SIM	0.1 / TEF ^e	0.0296	NSA	0.0096	U	0.0095	U	0.0097	U
Benzo[a]pyrene ^d	EPA 8270C SIM	0.1 / TEF ^e	0.0296	NSA	0.0096	U	0.0095	U	0.0097	U
Indeno[1,2,3-cd]pyrene ^d	EPA 8270C SIM	0.1 / TEF ^e	0.0296	NSA	0.0096	U	0.0095	U	0.0097	U
Dibenz[a,h]anthracene ^d	EPA 8270C SIM	0.1 / TEF ^e	0.0296	NSA	0.0096	U	0.0095	U	0.0097	U
Benzo[g,h,i]perylene	EPA 8270C SIM	NSA	NSA	NSA	0.0096	U	0.0095	U	0.0097	U

Note:
 N - Normal sample
 Q - Validated data qualifier.
 J - Concentration is an estimated value.
 NSA - No standard available.
 a - Chapter 173-340 WAC Method A Compliance Cleanup Levels for potable water use unless otherwise noted.
 * - The MTCA Method A Cleanup Level for gasoline range petroleum hydrocarbons is 800 µg/L, if benzene is present.
 b - Chapter 173-340 WAC Method B Cleanup Levels for unrestricted use.
 c - Cleanup level is a total for all PCBs (aroclor) based on the concentration derived from Chapter 173-340 WAC equation 720-1.
 d - Carcinogenic PAH.
 e - The MTCA Method A Cleanup level for cPAHs is based the total toxicity equivalence of benzo[a]pyrene that is 0.1 mg/Kg. The individual cPAHs are multiplied by their TEF, and the values summed to determine the total cPAH based on their toxicity equivalent factor (TEF). Reference WAC 173-340-708.
 TEFs were not calculated as no cPAHs were detected above PQLs.
 f - The most conservative of the National Water Quality Criteria (EPA, 2002) or Chapter 201A WAC Aquatic Water Quality Criteria is provided both chronic or acute values were considered.
 g - Cleanup level is a total for all PCBs (aroclor) based on the chronic National Water Quality Criteria.
 TEFs were not calculated as no cPAHs were detected above PQLs.

MOSES LAKE MAINTENANCE FACILITY
WEST PORTION GROUNDWATER
RCRA METALS RESULTS

Location					GP-19		GP-22		GP-23	
Sample Identifier					0GP19-032703		0GP22-032703		0GP23-032703	
Sample Type					N	Q	N	Q	N	Q
Analyte	Method	MTCA Method Cleanup Criteria For Groundwater (µg/L) ^a	MTCA Method B Cleanup Criteria for Surface Water (µg/L)	National Water Quality Criteria/WAC 201A Aquatic Water Quality Criteria (µg/L) ^d	Concentration (µg/L)					
RCRA Metals										
Arsenic	EPA 6010B	10.5 ^e	2	150	5.8		6		11	
Barium	EPA 6010B	560 ^b	NSA	NSA	28	U	28	U	28	U
Cadmium	EPA 6010B	5	20.3	0.25 ^{ef}	0.56	U	0.56	U	0.56	U*
Chromium	EPA 6010B	50	486 ^c	74	11	U	11	U	11	U
Lead	EPA 6010B	15	NSA	2.5	1.1	U	1.1	U	1.1	U
Mercury	EPA 7471A	2	NSA	1	0.5	U	0.5	U	0.5	U
Selenium	EPA 6010B	80 ^b	2,700	5 ^{ef}	5.0	U	5.0	U	5.0	U*
Silver	EPA 6010B	80 ^b	25900	3.2 ^{ef}	3.1	U	3.1	U	3.1	U*
Note: N - Normal sample. NSA - No standard available. Q - Validated data qualifier. U - indicates that the analyte was not detected above its practical quantitation limit (PQL). U* - indicates that the analyte was not detected above the method detection limit (MDL). a - Cleanup Criteria are WAC Chapter 173-340 MTCA Method A Cleanup Levels for potable water unless otherwise indicated. b - Chapter 173-340 WAC Method B Cleanup Levels for unrestricted use. c - Value is for total chromium. d - The most conservative of the National Water Quality Criteria (EPA, 2002) or Chapter 201A WAC Aquatic Water Quality Criteria is provided both chronic or acute values were considered. e - The analyte was undetected however, the PQL exceeded the National Water Quality Criteria. f - Analytical Laboratory MDL could not meet criteria by EPA 6010B Method. g - Cleanup criteria set at Arsenic background concentration as established under WAC 173-340-709. Bold - indicates that the analyte is hardness dependent. Shading indicates the value exceeds one or more of the MTCA cleanup criteria.										

MOSES LAKE MAINTENANCE RIFS
WEST CATCH BASIN SEDIMENT
PETROLEUM HYDROCARBON AND POLYCHLORINATED BIPHENYL RESULTS

Location				West Catch Basin	
Sample Identifier				Western Sump-Soil	
Sample Type				N	Q
Analyte	Method	MTCA Method A Cleanup Criteria (mg/kg)	Ecological Concerns Criteria WAC 173-340 Table 749-2 (mg/kg)*	Concentration (mg/kg)	
Petroleum Hydrocarbons					
Diesel Range	NWTPH-HCID	NA	NA	30	U
Lube Oil Range	NWTPH-HCID	NA	NA	76	U
Gasoline Range	NWTPH-HCID	NA	NA	>150	
Diesel Range	NWTPH-Dx	2,000	460	190	U
Lube Oil Range	NWTPH-Dx	2,000	NSA	13,000	
Gasoline Range	NWTPH-Gx	30/100 ^b	200	NA	-
Polychlorinated Biphenyls					
Aroclor 1016	EPA 8082	1.0 ^c	NSA	0.076	U
Aroclor 1221	EPA 8082	1.0 ^c	NSA	0.076	U
Aroclor 1232	EPA 8082	1.0 ^c	NSA	0.076	U
Aroclor 1242	EPA 8082	1.0 ^c	NSA	0.076	U
Aroclor 1248	EPA 8082	1.0 ^c	NSA	0.076	U
Aroclor 1254	EPA 8082	1.0 ^c	NSA	0.076	U
Aroclor 1260	EPA 8082	1.0 ^c	NSA	0.076	U
<p>Note:</p> <p>N - Normal sample.</p> <p>Q - Validated data qualifier.</p> <p>NSA - No standard available.</p> <p>> - indicates that the analyte was detected above its practical quantitation limit (PQL).</p> <p>U - indicates that the analyte was not detected above its PQL.</p> <p>NA - Not Applicable.</p> <p>a - Chapter 173-340 WAC Method A Compliance Cleanup Levels for unrestricted use.</p> <p>* - Chapter 173-340-900 WAC Table 749-2 Priority Contaminants of Ecological Concern for Sites that Qualify for the Simplified Terrestrial Ecological Evaluation Procedure</p> <p>b - The MTCA Method A Compliance Cleanup Level for gasoline range petroleum hydrocarbons is 100 mg/kg if benzene is present and the total of TEX is greater than 1%.</p> <p>c - Cleanup level is a total for all PCBs (aroclor) based on the concentration derived from Chapter 173-340 WAC equation 720-1.</p>					

MOSES LAKE MAINTENANCE FACILITY RIFS
WEST CATCH BASIN SEDIMENT
POLYNUCLEAR AROMATIC HYDROCARBON RESULTS

Location					West Catch Basin	
Sample Identifier					Western Sump-Soil	
Sample Type					N	Q
Analyte	Method	MTCA Cleanup Levels For Unrestricted Use (mg/kg) ^a	Toxicity Equivalency Factor (TEF)	Ecological Concerns Criteria WAC 173-340 Table 749-2 (mg/kg)**	Concentration (mg/kg)	
Polynuclear Aromatic Hydrocarbons (cPAHs and all other detected SVOCs)						
2-Methylnaphthalene	EPA 8270C	NSA	NA	NSA	0.015	
Fluorene	EPA 8270C	3,200 ^b	NA	NSA	0.023	
Phenanthrene	EPA 8270C	NSA	NA	NSA	0.12	
Anthracene	EPA 8270C	24,000 ^b	NA	NSA	0.017	
Di-n-butylphthalate	EPA 8270C	NSA	NA	NSA	0.580	
Fluoranthene	EPA 8270C	3,200 ^b	NA	NSA	0.220	
Pyrene	EPA 8270C	2,400 ^b	NA	NSA	0.170	
Benzo[a]anthracene ^c	EPA 8270C	0.1 / TEF*	0.100	NSA	0.034	
Chrysene ^c	EPA 8270C	0.1 / TEF*	0.010	NSA	0.160	
bis(2-ethylhexyl)phthalate	EPA 8270C	NA	NA	NSA	93	
Benzo[b]fluoranthene ^c	EPA 8270C	0.1 / TEF*	0.100	NSA	0.089	
Benzo[k]fluoranthene ^c	EPA 8270C	0.1 / TEF*	0.140	NSA	0.013	U
Benzo[a]pyrene ^c	EPA 8270C	0.1 / TEF*	1.000	30	0.017	
Indeno[1,2,3-cd]pyrene ^c	EPA 8270C	0.1 / TEF*	0.100	NSA	0.028	
Dibenz[a,h]anthracene ^c	EPA 8270C	0.1 / TEF*	0.400	NSA	0.013	U
Benzo[g,h,i]perylene	EPA 8270C	NSA	NA	NSA	0.070	
Total TEF cPAH concentration	-		-	-	0.034	
Note: N - Normal sample. Q - Validated data qualifier. NSA - No standard available. Dup - Duplicate sample. U - indicates that the analyte was not detected above its practical quantitation limit (PQL). NA - Not Applicable. a - Chapter 173-340 WAC Method A Cleanup Levels for unrestricted use unless otherwise noted. ** - Chapter 173-340-900 WAC Table 749-2 Priority Contaminants of Ecological Concern for Sites that Qualify for the Simplified Terrestrial Ecological Evaluation Procedure. b - Chapter 173-340 WAC Method B Cleanup Levels for unrestricted use. c - Carcinogenic PAH. d - Safe concentration has not yet been established by Ecology. * - The MTCA Method A Cleanup level for cPAHs is based the total toxicity equivalence of benzo[a]pyrene. The individual cPAHs are multiplied by their TEF, and the values summed to determine the total cPAH based on their toxicity equivalent factor (TEF). (Reference WAC 173-340-708)						

MOSES LAKE MAINTENANCE FACILITY RIFS
WEST CATCH BASIN SEDIMENT
RCRA METALS RESULTS

Location				West Catch Basin	
Sample Identifier				Western Sump-Soil	
Sample Type				N	Q
Analyte	Method	MTCA Cleanup Levels for Unrestricted Soil Use ^a	Ecological Concerns Criteria WAC 173-340 Table 749-2 (mg/kg)**	Concentration (mg/kg)	
RCRA Metals					
Arsenic	EPA 6010B	20	20	15	U
Barium	EPA 6010B	5600 ^b	1,250	54	
Cadmium	EPA 6010B	2 ^b	25	3.1	
Chromium	EPA 6010B	2000 ^{b*}	42 ^c	32	
Lead	EPA 6010B	250	220	47	
Mercury	EPA 7471A	2 ^b	9	0.38	U
Selenium	EPA 6010B	400 ^b	0.8	15	U
Silver	EPA 6010B	400 ^b	d	0.76	U
Note: N - Normal sample. Q - Validated data qualifier. U - indicates that the analyte was not detected above its practical quantitation limit (PQL). a - Chapter 173-340 WAC Method A Cleanup Levels for unrestricted use unless otherwise noted. ** - Chapter 173-340-900 WAC Table 749-2 Priority Contaminants of Ecological Concern for Sites that Qualify for the Simplified Terrestrial Ecological Evaluation Procedure. b - Chapter 173-340 WAC Method B Cleanup Levels for unrestricted use. c - Value is for total chromium. d - Safe concentration has not yet been established by Ecology. * - Value is for chromium III Shading indicates the value exceeds one or more of the MTCA cleanup criteria.					

MOSES LAKE MAINTENANCE FACILITY RIFS
WEST CATCH BASIN WATER
PETROLEUM HYDROCARBON RESULTS

Location					West Catch Basin	
Sample Identifier					Western Sump-Water	
Sample Type					N	Q
Analyte	Method	MTCA Groundwater Cleanup Criteria For Unrestricted Use (µg/L)	MTCA Method B Cleanup Criteria for Surface Water	National Water Quality Criteria/WAC 201A Aquatic Water Quality Criteria (µg/L) ^d	Concentration (µg/L)	
Petroleum Hydrocarbons						
Diesel Range	NWTPH-HCID	NA	NA	NA	400	U
Lube Oil Range	NWTPH-HCID	NA	NA	NA	250	U
Gasoline Range	NWTPH-HCID	NA	NA	NA	100	U
Diesel Range	NWTPH-Dx	500	NSA	NSA	NA	-
Lube Oil Range	NWTPH-Dx	500	NSA	NSA	NA	-
Gasoline Range	NWTPH-Gx	800 / 1000 ^b	NSA	NSA	NA	-
Methyl t-Butyl Ether (MTBE)	NWTPH-Gx	20.0	NSA	NSA	Results are	-
Benzene	NWTPH-Gx	0.030	22.7	NSA	Presented on	-
Toluene	NWTPH-Gx	1,000	4,850	NSA	Table 5.4.5	-
Ethyl Benzene	NWTPH-Gx	700	6,910	NSA	With	-
m,p-Xylene	NWTPH-Gx	1000 ^c	16,000	NSA	other	-
o-Xylene	NWTPH-Gx	1000 ^c	16,000	NSA	VOCs	-
Note: N - Normal sample. Q - Validated data qualifier. Dup - Duplicate sample. U - indicates that the analyte was not detected above its practical quantitation limit (PQL). NSA - No standard available. NA - Not Applicable. a - Chapter 173-340 WAC Method A Groundwater Cleanup Levels for potable water use. b - The MTCA Method A cleanup level for gasoline range petroleum hydrocarbons is 800 ug/L if benzene is present. c - The MTCA Method A Cleanup Level is for total xylene, i.e. the sum of m,p-Xylene and o-Xylene. d - Cleanup level is a total for all PCBs (aroclor) based on the concentration derived from Chapter 173-340 WAC equation 720-1. Shading indicates the value exceeds one or more of the MTCA cleanup criteria.						

MOSES LAKE FACILITY RIFS
 WEST CATCH BASIN WATER
 VOLATILE ORGANIC COMPOUND RESULTS (DETECTS ONLY)

Location					West Catch Basin	
Sample Identifier					Western Sump-Water	
Sample Type					N	Q
Analyte	Method	MTCA Cleanup Criteria For Groundwater (µg/L) ^a	MTCA Method B Cleanup Criteria for Surface Water (µg/L)	National Water Quality Criteria/WAC 201A Aquatic Water Quality Criteria (µg/L) ^c	Concentration ug/L	
Volatile Organic Hydrocarbons						
Methyl t-Butyl Ether	EPA 8260B	20	NSA	NSA	0.51	
2-Butanone	EPA 8260B	4,800	NSA	NSA	80.0	
Chloroform	EPA 8260B	7.17 ^b	283	NSA	0.58	
Note: N - Normal sample. Q - Validated data qualifier. NSA - No standard available. a - Chapter 173-340 WAC Method A Groundwater Cleanup Levels for potable water use unless other wise noted. b - Chapter 173-340 WAC Method B Groundwater Cleanup Levels for potable water use. c - The most conservative of the National Water Quality Criteria (EPA, 2002) or Chapter 201A WAC Aquatic Water Quality Criteria is provided both chronic or acute values were considered.						

MOSES LAKE MAINTENANCE FACILITY RIFS
WEST CATCH BASIN WATER
RCRA METALS RESULTS

Location					West Catch Basin	
Sample Identifier					Western Sump-Water	
Sample Type					N	Q
Analyte	Method	MTCA Method Cleanup Criteria For Groundwater (µg/L) ^a	MTCA Method B Cleanup Criteria for Surface Water (µg/L)	National Water Quality Criteria/WAC 201A Aquatic Water Quality Criteria (µg/L) ^d	Concentration (µg/L)	
RCRA Metals						
Arsenic	EPA 6010B	5	2	150	6.1	
Barium	EPA 6010B	560 ^b	NSA	NSA	28	U
Cadmium	EPA 6010B	5	20.3	0.25 ^{ef}	0.56	U*
Chromium	EPA 6010B	50	486 ^c	74	11	U
Lead	EPA 6010B	15	NSA	2.5	1.1	U
Mercury	EPA 7471A	2	NSA	1	0.5	U
Selenium	EPA 6010B	80 ^b	2,700	5 ^{ef}	5.0	U*
Silver	EPA 6010B	80 ^b	25900	3.2 ^{ef}	3.1	U*
Note: N - Normal sample. NSA - No standard available. Q - Validated data qualifier. U - indicates that the analyte was not detected above its practical quatitation limit (PQL). U* - indicates that the analyte was not detected above the method detection limit (MDL). a - Cleanup Criteria are WAC Chapter 173-340 MTCA Method A Cleanup Levels for potable water unless otherwise indicated. b - Chapter 173-340 WAC Method B Cleanup Levels for unrestricted use. c - Value is for total chromium. d - The most conservative of the National Water Quality Criteria (EPA, 2002) or Chapter 201A WAC Aquatic Water Quality Criteria is provided both chronic or acute values were considered. e - The analyte was undetected however, the PQL exceeded the National Water Quality Criteria. f - Analytical Laboratory MDL could not met criteria by EPA 6010B Method. Bold - indicates that the analyte is hardness dependent. Shading indicates the value exceeds one or more of the MTCA cleanup criteria.						